

What is claimed is:

1. A photoimageable composition comprising a photoactive component and a polymer component,
5 the polymer component comprising a fluorinated polymer that comprises Si atoms and silanol groups,
wherein the polymer has a ratio of fluorine atoms to Si atoms of about 3 or less.
2. The photoimageable composition of claim 1 wherein the polymer has a
10 ratio of fluorine atoms to silicon atoms of about 2 or less.
3. The photoimageable composition of claim 1 wherein the polymer comprises at least three distinct repeat units.
- 15 4. The photoimageable composition of claim 3 wherein at least two of the distinct repeat units have differing numbers of fluorine atoms.
5. The photoimageable composition of claim 3 wherein at least two of the distinct repeat units have differing numbers of silicon atoms.
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6. The photoimageable composition of claim 1 wherein the polymer comprises photoacid-labile groups.
7. The photoimageable composition of claim 1 wherein the composition is a
25 negative-acting photoresist.
8. The photoimageable composition of claim 1 wherein the polymer is substantially free of aromatic groups.

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9. A coated substrate comprising:
- a) a polymer composition coating layer applied over a substrate surface;
 - b) a coating layer of a photoimageable composition of claim 1 disposed over the polymer composition coating layer.

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10. A method for forming a electronic device, comprising:
- (a) applying on a substrate a coating layer of an organic polymer composition;
 - (b) over the polymer composition coating layer, applying a photoimageable composition of claim 1;
 - (c) exposing the photoimageable composition coating layer to activating radiation and developing the exposed photoimageable layer.
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